

Geranium, Thalictrum. Collected 08/26/1995 in Kazakhstan. Latitude 43 deg. 21' 43'' N. Longitude 77 deg. 40' 28'' E. Elevation 1550 m. Zielisky Alatau Province. Almaty village. 30 km. East of Almaty in the Kuznetzov area. Landform: Slope. Slope incline: 15 degrees, East. Dominant tree sp: M. sieversii; Associated-Crataegus, Sorbus. Dominant shrub sp: Rosa; Assoc-Lonicera. Associated herbaceous: Fragaria, Geranium, Thalictrum. Sampled 150 fruits from 1 tree. Fruit size is larger than 50mm, low scab. A bit immature - low seed set. Some codling moth damage.

PI 600487. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 01-04; GMAL 3598. Collected 08/26/1995 in Kazakhstan. Latitude 43 deg. 6' 58'' N. Longitude 76 deg. 47' 46'' E. Elevation 1400 m. Zielisky Alatau Province. Almaty village. 17 km South to Southwest of Almaty Center. Aksay river West side of Zielisky Apple Belt. Landform - valley near river. Gravely loam soil, some stoniness. Good drainage. Slope incline flat. Dominant tree sp: M. sieversii; Assoc.-Apricot, Crataegus. Dom. shrub sp: Berberis, Hippophae; Assoc.-Rubus, Rosa. Dominant herbaceous: Hops; Assoc.-Geranium, Fragaria. Sampled 150 fruits from 1 tree. Flesh flavor is aromatic. Over color is 95% red, light scab. Unique shape at calyx and pedicel.

PI 600488. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 02-01; GMAL 3599. Collected 08/26/1995 in Kazakhstan. Latitude 43 deg. 6' 33'' N. Longitude 76 deg. 54' 39'' E. Elevation 1440 m. Zielisky Alatau Province. Almaty village. 17 km South Almaty, along the Almatinka River - a holiday spot for week-enders. Loam soil, moderate stoniness. Slope incline of 50 degrees North. Dominant tree sp.: Populus; Associated-Malus, Picea, Juniperus. Dominant shrub sp.: Rosa platyacanthi; Assoc.-Hippophae. Dominant herbaceous: Grasses; Assoc.-Clematis. Sampled 100 fruits from 1 tree. Flesh flavor is aromatic. Immature fruit, may bruise easily. Good crotch angles.

PI 600489. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 03-01; GMAL 3600. Collected 08/27/1995 in Kazakhstan. Latitude 43 deg. 17' 36'' N. Longitude 77 deg. 23' 44'' E. Elevation 1490 m. Zielisky Alatau Province. 40 km East of the Almatinka River, near stream bed. Forest region of Talgar - 188 hectares. Mikushina area, 1100-1800 m. Clay loam soil, limited stoniness. Good drainage. Flat slope, next to W. slope. Dom. tree sp.: Malus; Assoc-Crataegus, Rhamnus, Populus, Salix. Dom. shrub sp: Rosa. Assoc-Rubus, Berberis. Dom. herb.: Humulus; Assoc-Origanum, Malva, Geranium. Sampled 150 fruits from 1 tree. White seeds, immature fruit. Upright tree. Not real healthy-somewhat defoliated. Fruit over color is 90% red, scab detected.

PI 600490. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 03-02; GMAL 3601. Collected 08/27/1995 in Kazakhstan. Latitude 43 deg. 17' 36'' N. Longitude 77 deg. 23' 44'' E. Elevation 1490 m. Zielisky Alatau Province. 40 km East of the Almatinka River, near stream bed. Forest region of Talgar - 188 hectares. Mikushina area, 1100-1800 m. Clay loam soil, limited stoniness. Good drainage. Flat slope, next to W. slope. Dom. tree sp.: Malus; Assoc-Crataegus, Rhamnus, Populus, Salix. Dom. shrub sp: Rosa. Assoc-Rubus, Berberis. Dom. herb.: Humulus; Assoc-Origanum, Malva, Geranium. Sampled 150 fruits from 1 tree. Spreading habit.